US EPA Region 9
EPCRA §302-312 / CERCLA §103 / Clean Air Act §112(r)(1) Inspection Report

Stationary Source	Allenco Energy Inc.			
Date of Inspection	November 6, 2013			
USEPA Contact	Jeremy Johnstone, USEPA Region 9			
Description of Activities	Opening meeting with facility representatives Inspection consisting of the following activities: -Document review -Field verification -Personnel interviews Closing meeting with facility representatives			
Inspection				
Participants	Jeremy Johnstone, USEPA Region 9 Inspector 415-972-3499 johnstone.jeremy@epa.gov			
	Travis Cain, USEPA Region 9 Inspector 415-972-3161 cain.travis@epa.gov			
	Janice Witul, USEPA Region 9 Inspector 415-972-3089 witul.janice@epa.gov			
	David Basinger, USEPA Region 9 Inspector 415-972-3506 basinger.david@epa.gov			
	Tim Parker, VP Operations, 562-989-6100 tparker@allencoca.com			
	Logan Allen, VP Sales, 562-989-6100  allen@allencoca.com			

## **STATIONARY SOURCE INFORMATION**

USEPA Facility ID #	NA
Most Recent Submission	NA
Facility Location	814 w. 23 <sup>rd</sup> St. Los Angeles, CA 90007
Lat / Long	34.032°S, -118.278°W
Number of Employees	4
Description of Surrounding Area	Urban, Mount St. Mary's College adjacent to east, south and west, residential across the street to the north

## REGISTRATION INFORMATION

Process ID #	NA NA
Program Level	NA
Process Chemicals	Crude oil, methane
NAICS Code	211111, Crude Petroleum & Natural Gas Extraction

## **PURPOSE OF INSPECTION**

An evaluation of compliance with Sections 302-312 of the Emergency Planning and Community Right-to-Know Act (EPCRA), Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), and Section 112(r)(1) of the Clean Air act (CAA) was conducted as part of a multi-media inspection of Allenco Energy Inc. (Allenco) crude oil pumping/separation/transfer facility in Los Angeles, CA. In addition the afore-mentioned authorities the inspection also included compliance evaluations under the Clean Air Act's Stationary Source Program and the Spill Prevention, Control, and Countermeasure (SPCC) program of the Oil Pollution Act (OPA). The inspection was prompted by concerns about the facility that had been expressed by the local community.

This report discusses the inspection under the above-mentioned EPCRA, CERCLA and CAA §112(r) authorities. Separate reports will be prepared for inspection activities under the other authorities.

## **Opening meeting**

Inspector Johnstone presented his credentials and EPA inspection documents consisting of a Notice of Inspection, Right to Claim Confidentiality and Receipt for Documents and explained their contents. The facility representative and EPA inspector signed all copies prior to the end of the inspection and copies of signed documents were left with the facility.

## **FACILITY / PROCESS DESCRIPTION**

Allenco operates a crude oil secondary recovery pumping, separation and transfer facility in south Los Angeles which produces crude oil, natural gas and produced water from five active wells. Allenco operates the facility under a lease agreement with the Catholic Archdiocese, which owns the land. The facility reportedly dates to the late 1960s, although Allenco only assumed operational control of the facility in 2009 from the predecessor operator St. James Oil. At the time of facility transfer, all 21 production wells were idle, but in 2010 Allenco restarted five of the wells and currently produces approximately 80 barrels of crude oil and 8000 barrels of produced water daily. The produced water is reinjected into the formation via a single injection pump in order to enhance further oil recovery. Crude oil is metered into the Crimson Oil Pipeline for sale. The facility also produces natural gas from the formation, this gas is consumed in onsite microturbines and the resulting electricity is fed into the local power grid for sale.

Operating equipment at the facility includes, wellhead pumps, produced fluids transfer pumps, free water knockout, test separators, crude storage tanks, produced water tanks, gas separator unit, vapor recovery unit, water injection pump, microturbines. The facility also has "Fire Eye" flame detectors and methane detectors at a few locations in the facility, as well as a water deluge system in the well gallery and three fire monitors (water cannons) along the south wall of the production pit.

## **OBSERVATIONS/FINDINGS**

## EPCRA §311-312:

1. The facility provided a copy of the California Hazardous Material Business Plan (HMBP) Hazardous Materials Inventory (EPCRS §312 Tier II equivalent) that had been submitted to the City of Los Angeles Fire Dept. (the CUPA) on September 11, 2013. The CUPA inspector had notified the facility in October 24, 2013 that the submittal was incomplete. There was no evidence of any previous submittals, and a subsequent call to the CUPA verified that none had been made.

## **EPCRA §304 / CERCLA §103:**

1. Neither methane nor crude oil have a reportable quantity (RQ) established under either EPCRA or CERCLA. In addition, facility representatives reported that the facility has not had any significant releases of any hazardous chemical during its tenure as operator of the facility.

## CAA §112(r)(1) General Duty Clause:

The obligations of the General Duty Clause apply to the crude oil and natural gas produced at the facility both may be considered Extremely Hazardous Substances within the meaning of the GDC. Therefore, evaluation of GDC compliance at the facility under this investigation was evaluated with respect to the facility's operation of components that handle, and would have the potential to be involved in an accidental release of, either of these materials.

- 1. On the day of the inspection no significant petroleum-based odors were apparent. Most noticeable was a slight odor of orange peel oil, which facility representatives indicated was used to mask other odors. (See Photo 20)
- 2. The name plate on the facility's Free Water Knock Out (FWKO) pressure vessel indicates that it was constructed in 1967. Nameplates for the other pressure vessels had been painted over and were illegible. (See Photos 8, 10)
- 3. External corrosion was visible on the lower pressure vessel of the west test separator. (See Photo 11)
- 4. The facility produced a report dated December 2012 documenting the results of tank shell thickness testing that the facility had had performed under AB1960. Other tan this report the facility had no documentation available to document conformance with Recognized and Generally Acceptable Good Engineering Standards (RAGAGEPs).
- 5. Other than the report indicated in Item 4 immediately above, the facility was not able to provide documentation of conformance with Inspection, Testing and Preventive Maintenance (ITPM) RAGAGEPs, particularly API 653, API 510, API 570, and API RP 576.

## **RECOMMENDATIONS / POTENTIAL VIOLATIONS:**

Potential Violation: EPCRA §312

The facility did not submit any HMBP Inventory/Tier II reports for Reporting Years 2009-2011 to CUPA.

## Potential Violation: CAA §112(r)(1)

The facility was not able to document that it is operating a safe facility in that there is no evidence of its conformance with any of the following applicable RAGAGEPs:

API 653 - Tank Inspection, Repair, Alteration, and Reconstruction (with respect to the facility's atmospheric tanks)

API 510 - Pressure Vessel Inspection Code: In-Service Inspection, Rating, Repair, and Alteration (with respect to the facility's free water knockout and separator vessels)

API 570 – Piping Inspection Code: In-service Inspection, Rating, Repair, and Alteration of Piping Systems (with respect to the facility's produced fluids, crude and natural gas piping)

API RP 576 - Inspection of Pressure Relieving Devices (for PRDs on FWKO and separators)

Manufacturers' specifications for the maintenance and calibration of the flame detectors and methane detectors installed onsite.

## List of Attachments -

- 1. EPCRA §§302-312 / CERCLA §103 Inspection Checklist
- 2. Signed Notice of Inspection Form
- 3. Signed Notice of Right to Claim Confidentiality Form
- 4. Signed Receipt of Documents Form
- 5. Inspection Participation Sign-in Sheet
- 6. Photo Log
- 7. Facility Documents

Jerenty Johnstone

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Reviewer

## ATTACHMENT 1 – EPCRA §\$302-312 / CERCLA §103 Inspection Checklist



## EPCRA §§302-312/CERCLA §103 Inspection Checklist EPA Region 9

Inspec	tion Date/Time:	6 November 2013		0930
Facility	y Name:	Allenco Energy Inc.		
Facility	y Address:	814 W. 23 <sup>rd</sup> St. Los Angeles, CA 90	0007	
Facility	y Rep. Name/Title/Pho in Parker, I	one #:  / P Operation  ste 2	ns - 989	6100
	tor's Name/Phone #:	Jeremy Johnstone,		
1.	1 4 1	Department contact(s		contact name and phone numbers)  € 23-6 54
2.		ceptors (residents, sch		
	Distance to receptors	< 1/4 mile < 1 mile < 4 miles > 4 miles		
3.	Number of employees	4		0
4.	Hours of operation:	24/7 pm	uper o	sluays here
5.	Allenco ha lease hal	respected site	sinu Zym co	Sept 16,2009
6.		d EHSs on site at any n the TPQ? ☐ Yes	•	last three calendar years in an amount
	b) Has facility ha calendar years than the CA lis	s in an amount equal to	OSHA HS or greater □ No	on site at any time during the last three r than 10,000 lbs. (Or in California, more

9. 10.	or greater than the TPQs?  Yes No (If  EPCRA §312: Has facility LEPC and Fire Department Plan to the CUPA)?	yes, request copy) provided a Tier II annual hazardous it (or in California, a Hazardous Mai	s substance inventory to the SERC	
	or greater than the TPQs?  Yes No (If  EPCRA §312: Has facility    LEPC and Fire Department  Plan to the CUPA)?  Yes No (If	yes, request copy) provided a Tier II annual hazardous it (or in California, a Hazardous Mai yes, request copy) omittal:	s substance inventory to the SERC	
	or greater than the TPQs?  Yes No (If  EPCRA §312: Has facility    LEPC and Fire Department  Plan to the CUPA)?  Yes No (If	yes, request copy) provided a Tier II annual hazardous it (or in California, a Hazardous Mar	s substance inventory to the SERC	
	or greater than the TPQs?  Yes No (If  EPCRA §312: Has facility LEPC and Fire Department Plan to the CUPA)?	yes, request copy) provided a Tier II annual hazardous it (or in California, a Hazardous Ma	s substance inventory to the SERC	
	or greater than the TPQs?  Yes No (If  EPCRA §312: Has facility LEPC and Fire Department	yes, request copy) provided a Tier II annual hazardous	s substance inventory to the SERC	
	or greater than the TPQs?  Yes No (If  EPCRA \$312: Has facility	yes, request copy) provided a Tier II annual hazardous	s substance inventory to the SERC	
€.	or greater than the TPQs?		EHSs on site in quantities equal to	
€.			EHSs on site in quantities equal to	
relea	ase.)		spill reports and letters)	
Amo	ease Date, Time and bunt en was facility aware of the	Chomba Hame(e), este sites	report number(s), dates and times and request copies of	
Dele	and Date Time and	Release Summary  Chemical Name(s)/CAS #(s)	To Whom Reported (include	
	103			
	documentation (monitoring  Yes	equipment data, maintenance logs	, spill reports, etc.).	
	EHSs or CERCLA HSs? If	03: Has facility had any accidental r f yes, fill in the information on the ta	able in Attachment 1 and request	

## ATTACHMENT 2 -

Signed Notice of Inspection Form



#### **NOTICE OF INSPECTION**

## U.S. ENVIRONMENTAL PROTECTION AGENCY Region IX

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) §103; Emergency Planning and Community Right-to-Know Act (EPCRA) §§302-312; and Clean Air Act §112r Risk Management Program (CAA RMP)

DATE/TIME: 6 November 2013 0930	FACILITY NAME: Allenco Energy Inc.	
INSPECTOR (NAME, ADDRESS, PHONE):	FACILITY ADDRESS:	
Jeremy Johnstone 415-972-3499 USEPA Region 9 (SFD-9-3) 75 Hawthorne St., San Francisco CA 94105	814 W. 23 <sup>rd</sup> St. Los Angeles, CA 90007	

**REASON FOR INSPECTION:** U. S. EPA is conducting this inspection for the purpose of determining compliance with the requirements of Section 103(e) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Sections 302 through 312 of the Emergency Planning and Community Right-to-Know Act (EPCRA), and Section 112(r) of the Clean Air Act (CAA).

The scope of this inspection may include, but is not limited to reviewing and obtaining copies of documents and records; interviews and taking of statements; reviewing of chemical manufacturing, importing, processing, and/or use facilities, including waste handling and treatment operations; taking samples and photographs; and any other inspection activities necessary to determine compliance with the Acts.

INSPECTOR SIGNATURE		RECIPIENT SIGNATURE		
NAME Jeremy Johnstone		NAME	Tim Parker	
TITLE Environmental Engineer	DATE SIGNED	TITLE	Vice President	DATE SIGNED

## ATTACHMENT 3 -

Signed Notice of Right to Claim Confidentiality Form



## RECEIPT OF NOTICE OF RIGHT TO CLAIM CONFIDENTIALITY

## U.S. ENVIRONMENTAL PROTECTION AGENCY Region IX

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) §103; Emergency Planning and Community Right-to-Know Act (EPCRA) §\$302-312; and Clean Air Act §112r Risk Management Program (CAA RMP)

DATE/TIME: 6 November 2013 0930	FACILITY NAME: Allenco Energy Inc.
INSPECTOR (NAME, ADDRESS, PHONE):	FACILITY ADDRESS:
Jeremy Johnstone 415-972-3499 USEPA Region 9 (SFD-9-3) 75 Hawthorne St., San Francisco CA 94105	814 W. 23 <sup>rd</sup> St. Los Angeles, CA 90007

Notice of Right to Claim Confidentiality: You may assert a business confidentiality claim covering all or part of the information requested during the course of this inspection, as provided in 40 C.F.R. §2.203(b). To make a confidentiality claim, submit the requested information and indicate that you are making a claim of confidentiality. Any document over which you make a claim of confidentiality should be marked by either attaching a cover sheet stamped or typed with a legend to indicate the intent to claim confidentiality. The stamp or typed legend or other suitable form of notice should employ language such as "trade secret" or "proprietary" or "company confidential" and indicate a date if any when the information should no longer be treated as confidential.

All confidentiality claims are subject to agency verification and must be made in accordance with 40 C.F.R. §2.208 which provides in part that you satisfactorily show that you have taken reasonable measures to protect the confidentiality of the information and that you intend to continue to do so; and that the information is not and has not been, reasonably obtainable by legitimate means without your consent.

**NOTE:** Signature of this Receipt of Notice of Right to Claim Confidentiality verifies only that such notice has been received and does not waive that right.

INSPECTOR SIGNATURE		RECIPIENT SIGNATURE			
they block		Im Tarky			
NAME Jeremy Johnstone		NAME Time Track 10			
TITLE DATE SIGNED Environmental Engineer (1.6.13		TITLE Vice President	DATE SIGNED		

# ATTACHMENT 4 – Signed Receipt of Documents Form



## RECEIPT OF DOCUMENTS **U.S. ENVIRONMENTAL PROTECTION AGENCY**

Region IX

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) §103; Emergency Planning and Community Right-to-Know Act (EPCRA) §\$302-312; and

Clean Air Act §112r Risk Management Program (CAA RMP)					
DATE/TIME: 6 November 2013	0930	FACILITY NAME: Allenco Energy Inc.			
INSPECTOR (NAME, ADDRESS	S, PHONE):	FACILITY ADDRESS:			
Jeremy Johnstone 415-972-3499 USEPA Region 9 (SFD-9-3) 75 Hawthorne St., San Francisco CA 94105		814 W. 23 <sup>rd</sup> St. Los Angeles, CA 90007			
During inspection, copies of the f	following documents were	e received from the above referenced facilities	es:		
	Author  Angs (Di) Corp  PS 1 *	Site Map For Busines ABIS60 Certified Inspan	S Plano		
	4	Paids for			
	- Marie Control of the Control of th		2009 - Dresen		
	*	Testing and Inspan Rea	gas detector		
	*	· mothere detector			
	*	- oil flow lines CAP	1570)		
	*	· FUKO tank (AP	1 570)		
	*	· Fire monitors			
2017	*.	2013 HMBP Chemical:	Inventory		
undated	*	St James oil HMBP chem	ical inventor		
	*	Testing & PM Newords 20	009 - present		
		for all Prenure pe	iet dende		
	*	HMBP Chem inventories	2009-2012		
INSPECTOR SIGNATURE		RECIPIENT SIGNATURE	ALLER		
NAME Jeremy Johnstone		NAME Tim Parker			
TITLE Environmental Engineer	DATE SIGNED	TITLE VICE President	DATE SIGNED		

\* - To be provided by 11/15/13, plf copies preferred

## ATTACHMENT 5 -

Inspection Participation Sheet

## INSPECTION ATTENDANCE / PARTICIPANT LIST

Date: 6 November 2013 0930	Facility Name: Allenco Energy Inc.
INSPECTOR (NAME, ADDRESS, PHONE): Jeremy Johnstone US EPA Region 9, SFD-9-3 75 Hawthorne St. San Francisco, CA 94105 Phone No.: (415) 972-3499	FACILITY ADDRESS:  814 W. 23 <sup>rd</sup> St. Los Angeles, CA 90007
	Tel. 562-989-6100

NAME	AFFILIATION	TITLE	PHONE NO.	E-mail Address
Jeremy Johnstone	USEPA Region 9	Env. Engr.	415-972-3499	johnstone.jeremy@epa.gov
Logan Allen	Allen (o	VP-Sales	404 388 4946	LAllen @ Allerlo Ca. Com
- Tom Tarker	Allenco	V.P.	(562) 989-6160	TRARKER @ AlleNGOCA COM
JANICE WITUL	DS EPA	INSPECTOR	415 9723389	with paice epa gov
TYAVIS L. CAIN	USEPA	inspector	415-972-316	V CAIN, Travis @ EPA, GOU
DAVE BASWLER	USEPA	INSPECTOR	4159723506	Lasinger. david Cepa.go
Steve Collins	Profe Brundal	Observer (Dicese)	80-303-6484	
18 19				

## ATTACHMENT 6 -

Digital Camera Photo Log – Archival Images

## **U.S. Environmental Protection Agency**

Region 9 Emergency Prevention & Preparedness Program

## **INSPECTION PHOTO LOG**

Facility Name & Location:

ALLENCO ENERGY LOS ANGELES, CA

Photographer: T. CAIN

Camera: CANON SX230

Dates Photographs Were Taken: 11/6/2013

Photo No.

## **Photo Description:**

View east into production area. Scrubber in foreground, FWKO (round horizontal vessel) in center back, brine tank to near left, crude tank to back left.

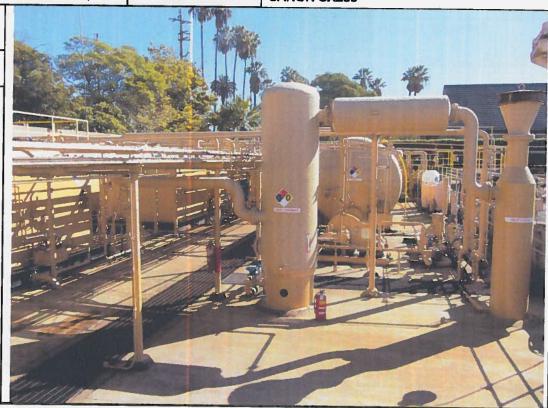


Photo No.

2

#### **Photo Description:**

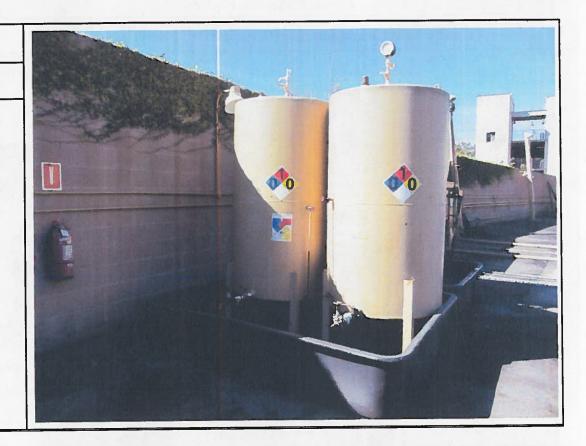
Scale inhibitor added to produced water injectate



Photo No.

## **Photo Description:**

Hydraulic oil storage, south of well gallery



## Photo No.

4

## **Photo Description:**

View west from inside well gallery



Photo No. 5

## **Photo Description:**

Fire-Eye flame detector mounted in east end of well gallery



## Photo No.

6

## **Photo Description:**

Dave Basinger using the FLIR camera at a producing wellhead

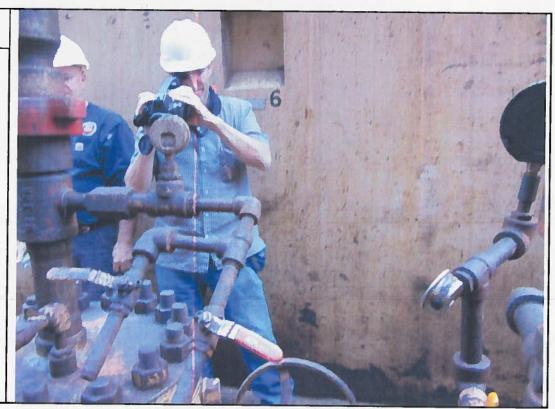


Photo No.

**Photo Description:** 

West end of Free Water Knock Out (FWKO)



Photo No.

**Photo Description:** 

Name Plate for the FWKO. Note fabrication date is given as 1967, the capacity as 350 bbls and the Allowable Maximum Working Pressure as 55 psi



Photo No.

## **Photo Description:**

View south of two separators.



## Photo No.

10

## **Photo Description:**

Painted over nameplate on east separator depicted in Photo 9. Both separators' name plates were painted over in the manner.

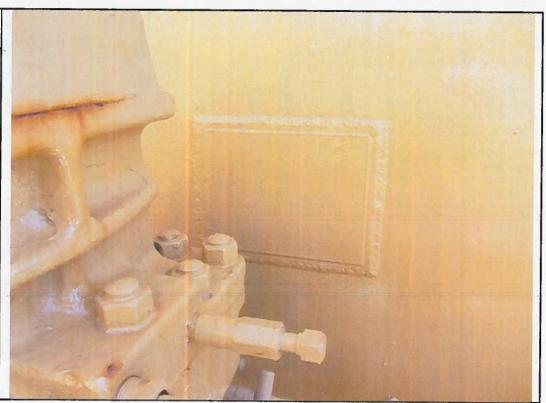
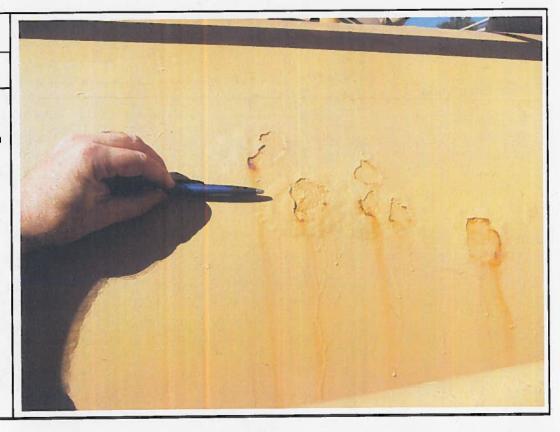


Photo No.

## Photo Description:

Paint flaking and surface pitting of bottom vessel on west separator



#### Photo No.

12

## **Photo Description:**

View northeast of production area. Note fire monitors along south railing

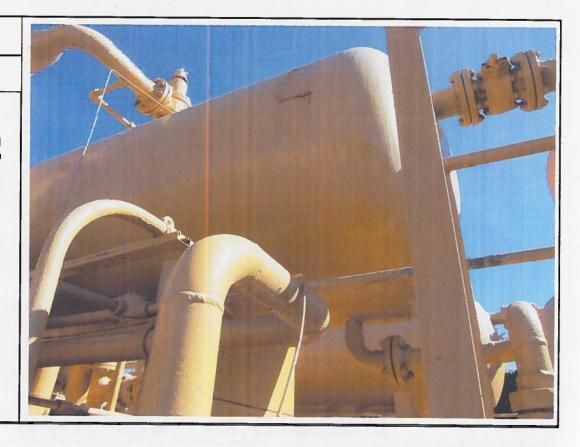
(Note – Photo taken by J. Witul)



Photo No. 13

## **Photo Description:**

Top vessel of west separator. Note painted nameplate and pressure relief device.



#### Photo No.

14

## **Photo Description:**

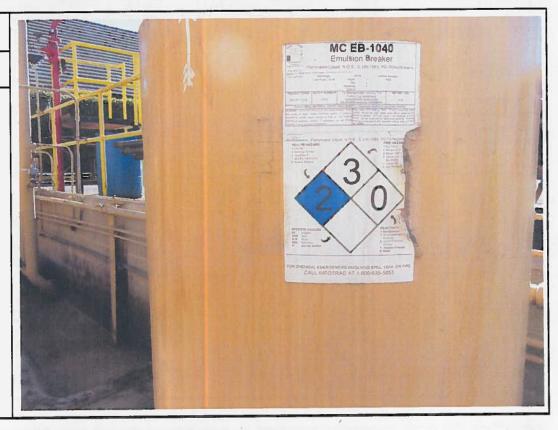
Fire-Eye flame detector mounted at east end of production area



Photo No. 15

## **Photo Description:**

Tank of emulsion breaker, one of 4 treatment chemicals located in the production area



## Photo No.

16

## **Photo Description:**

Methane gas detector located outside of facility office



Photo No.

## **Photo Description:**

Produced water injection pump, located in pump house



## Photo No.

18

## **Photo Description:**

2 natural gas compressors located in the pump house

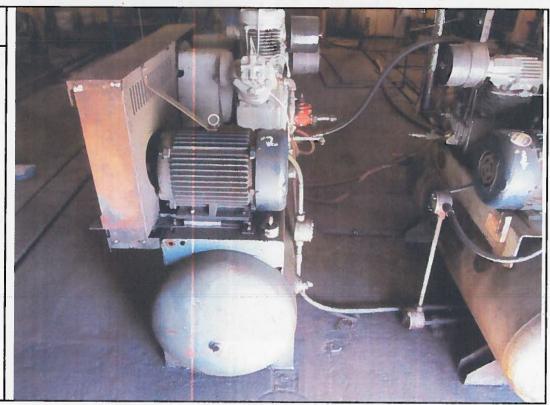


Photo No. 19

**Photo Description:** 

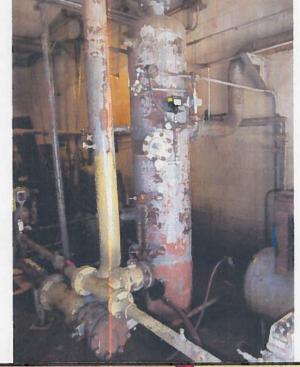


Photo No. 20

**Photo Description:** 

ORANGE-SCENTED SOLVENT TOTE IN TANK FARM CONTAINMENT AREA

(Note – Photo taken by J. Witul)



ATTACHMENT 7 -

**Facility Documents** 

Jeremy Johnstone's Account Sign Out Tools Reports Heip

## Facility: AllenCo Energy (CERSID: 10456009)

Home >> Facility Search >> Facility Summary: 10456009

Summary

**Submittals** 

Reporting

Requirements

Compliance

**Notifications** 

**Manage Facility** 

Change UPA

Location Map

Facility Summary for CERS ID: 10456009

**Facility Name:** 

CUPA:

**Business Name:** 

AllenCo Energy

AllenCo Energy (Signal Hill, CA) Los Angeles City Fire Department

Facility Information

AllenCo Energy 814 W 23rd St Los Angeles, CA 90007

(310) 505-8536

Owner Information-

AllenCo Energy, Inc. 2109 Gundry Ave Signal Hill, CA 90755 (582) 989-6100

Primary Emergency Contact

Tim Parker Vice President (562) 969-6100

(310) 505-8538 (24-hour)

Secondary Emergency Contact

Mick Bever Operations Manager (582) 989-6100

(310) 505-9787 (24-hour)

-Environmental Contact Tim Parker

(562) 989-6100 tparker@allencoca.com Mailing Address 2109 Gundry Ave

Signal Hill, CA 90755 **United States** 

Other Identifiers Local Facility ID FA0028157

Facility Regulator Key No Facility Regulator Key In CERS CAL000365174

County Los Angeles

-Submittal and Compilance Data

Last Submittal Date 9/11/2013 2:32 PM **Submitted Element Count** 

4 Inspections

0

**Enforcements** 

0

Reporting Requirements

Submittal Element	Regulator	Reporting Requirement	Next Due Date
Facility Information	Los Angeles City Fire Department	Applicable	
Hazardous Materials Inventory	Los Angeles City Fire Department	Applicable	11/25/2013
Emergency Response and Training Plans	Los Angeles City Fire Department	Applicable	10/28/2013
Underground Storage Tanks	Los Angeles City Fire Department	Not Applicable	
Aboveground Petroleum Storage Act	Los Angeles City Fire Department	Applicable	
California Accidental Release Program	Los Angeles City Fire Department	Not Applicable	
Tiered Permitting	Los Angeles County Fire Department	Not Applicable	
Recyclable Materials Report	Los Angeles County Fire Department	Not Applicable	
Remote Waste Consolidation Site Annual Notification	Los Angeles County Fire Department	Not Applicable	1
Hazardous Waste Tank Closure Certification	Los Angeles County Fire Department	Not Applicable	8

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California Environmental Reporting System: Business | © 2013 California Environmental Protection Agency CERS Technical Support: Request Technical Assistance

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Jeremy Johnstone's Account Sign Out Tools Reports Help

Submittals

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lators Compli

Responders

Reports

## Facility Submittal: AllenCo Energy (10456009)

Home » Submittal Search » Submittal: 9/11/2013 (10456009)

#### Submittal: Sep. 11, 2013 2:32 PM

#### **Facility Information**

Accepted Oct. 24, 2013 Set Submitted Status

A Note: You cannot change the status of this Submittal Bement because you have insufficient privileges for Los Angeles City Fire Department.

Submitted for CERS ID 10456009 on 9/11/2013 2:32PM by Michael Poppenheimer of AllenCo Energy (Signal Hill, CA) Submittal was Accepted on 10/24/2013 by Marcus Look for Los Angeles City Fire Department

Business Activities

Business Owner/Operator Identification

#### **Hazardous Materials inventory**

Not Accepted Oct. 24, 2013 Sat Submittal Status

A Note: You cannot change the status of this Submitted Element because you have insufficient privileges for Los Angeles City Fire Department, Submitted for CERS ID 10456009 on 9/11/2013 2:32PM by Michael Poppenheimer of AllenCo Energy (Signal Hill, CA)

Submittal was Not Accepted on 10/24/2013 by Marcus Look for Los Angeles City Fire Department

Comments by regulator. You must include all chemicals that are over CUPA disclosure amount. You have solvent over 1000 gal and several other unidentified chemicals on site, please include all chemicals in your inventory disclosure. Your map must include all required information see sample map at this link https://www.lafdcupainfo.org/eee/images/SampleFacilityMap.gif

Hazardous Material Inventory

Site Map (Official Use Only): Upload Document(s)

#### **Emergency Response and Training Plans**

Not Accepted Oct. 24, 2013 5at Submitter Status

Note: You cannot change the status of this Submittal Element because you have insufficient privileges for Los Angeles City Fire Department.

Submitted for CERS ID 10456009 on 9/11/2013 2:32PM by Michael Poppenheimer of AllenCo Energy (Signal Hill, CA)

Submitted was Alex Accounted to 10/11/2019 by Michael Poppenheimer of AllenCo Energy (Signal Hill, CA)

Submittal was Not Accepted on 10/24/2013 by Marcus Look for Los Angeles City Fire Department

Comments by regulator: Consolidated Emergency Response/Contingency plan is missing local Unified Program Agency phone #. Training requirements are incomplete per Tilt 19, Section 2731. Missing mitigation, prevention and abatement of hazards to persons, property or the environment.

Emergency Response/Contingency Plan: Upload Document(s)

Employee Training Plan; Upload Document(s)

#### **Aboveground Petroleum Storage Act**

Submitted Sep. 11, 2013 Set Satmillar Satus

A Note: You cannot change the status of this Submittel Element because you have insufficient privileges for Los Angeles City Fire Department.

Submitted for CERS ID 10456009 on 9/11/2013 2:32PM by Michael Poppenhelmer of AllenCo Energy (Signal Hill, CA)

Aboveground Petroleum Storage Act Documentation: Provided Elsewhere in CERS

Download EDT Regulator Facility Submittal XML Package

Submillar Search

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California Environmental Reporting System: Business | © 2013 California Environmental Protection Agency CERS Technical Support: Request Technical Assistance

1

CERS Help

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JANICE WITUL'S Account Sign Out Tools Reports Help

Submittals

**Facilities** 

Businesses

Compliance

Regulators

Responders

Reports

## Hazardous Material Inventory: AllenCo Energy

Home » Submittal Search » Submittal: 9/11/2013 (10)456009) » Material Inventory: Hazardous Material Inventory (Not Accepted) » Material Detail

You must complete a separate inventory page for each individual hazardous material and hazardous waste that you handle at your facility in an aggregate quantity subject to Hazardous Material Business Plan (HMBP) reporting requirements. The completed inventory must reflect all hazardous materials at your facility, reported separately for each building or outside storage area, with separate entries for unique occurrences of physical state, storage temperature, storage pressure. Where the aggregate quantities of some hazardous materials are below the HMBP threshold reporting quantity, report the general hazard class which individually are below the threshold reporting quantity of all hazardous materials having this hazard class which individually are below the threshold reporting quantity. which individually are below the threshold reporting quantity.

#### Submittal Element History

Submitted for CERS ID 10456009 on 9/11/2013 2:32PM by Michael Poppenheimer of AllenCo Energy (Signal Hill, CA)

Submitted was Not Accepted on 10/24/2013 by Marcus Look for Los Angeles City Fire Department
Comments by regulator: You must include all chemicals that are over CUPA disclosure amount. You have solvent over 1000 gal and several other unidentified chemicals on site, please include all chemicals in your Inventory disclosure. Your map must include all required information see sample map at this link https://www.lafdcupainfo.org/eee/images/SampleFacilityMap.gif

No Yes Fire 2 - Radioactive No Reactive No Reactive Curies State I	CERS Chemical Library ID  US EPA SRS ID 425009  Trade Secret No  Izard Class 3
Crude Oil Common Name CAS Number Crude Oil 8002-05-9  Physical State Hazardous Material Type  Pure  Chemical Hazard Classification  EHS Fire Code Hazard Classes (by priority) Federal Hazard Categories DOT H No - Yes Fire  No Reactive  No Reactive  No Pressure Release State  Curies - No Pressure Release State  No Chronic Health  No Chronic Health  No Chronic Health  Chemical Location  Tank Farm 3570 3570  Chamical Location Confidential EPCRA No Largest Container Annual Waste Amount  No La	US EPA SRS ID 425009  Trade Secret No  exard Class 3
Crude Oil 8002-05-9  Physical State Liquid Pure  Chemical Hazard Classification  EHS Fire Code Hazard Classes (by priority) Federal Hazard Categories DOT H No - Yes Fire 69	425009 Trade Secret No szard Class 3
Liquid Pure  Chemical Hazard Classification  EHS Fire Code Hazard Classes (by priority) Federal Hazard Categories DOT H No - Yes Fire  No Reactive  No Reactive  No Pressure Release  State II  Curies - No Acute Health  No Chronic Health  No S570	No vzard Class 😥
Fire Code Hazard Classes (by priority)  No - Radioactive No - No Reactive No R	izard Class ❷ laste Code ≨
No - Yes Fire - Yes Fi	laste Code 🗷
No Reactive No Reactive No Reactive No Reactive No Reactive No No Reactive No No Pressure Release State William No Chronic Health No Reactive No Chronic Health No No No Chronic Health No	laste Code 🗷
Radioactive No Reactive State In No Reactive State In No Reactive Release State In No Reactive State In No Reactive Release Release State In No Reactive Release	
No Pressure Release State In No Pressure Release Cookures  No Acute Health Lookure No Chronic Health American Average Daily Amount Maximum Daily American State In No Chronic Health American Average Daily Amount Maximum Daily American State In No Largest Container Annual Waste Amount No 10500	
Inventory Location and Quantity  Inventory Location  Average Daily Amount Maximum Daily Am Tank Farm  3570  Chemical Location Confidential EPCRA  Largest Container Annual Waste Amount No  10500	2 Code
Inventory Location and Quantity  Chemical Location  Average Daily Amount Maximum Daily Amount Farm  3570  Chemical Location Confidential EPCRA  Largest Container Annual Waste Amount No. 10500	<u>o Code</u>
Chemical Location Average Daily Amount Maximum Daily Amount Tank Farm 3570 3570 Chemical Location Confidential EPCRA Largest Container Annual Waste Amount No 10500 -	
themical Location Average Daily Amount Maximum Daily Amount Fam 3570 3570 Tank Farm 3570 3570 Themical Location Confidential EPCRA Largest Container Annual Waste Amount 10500 -	
Tank Farm 3570 3570 Chemical Location Confidential EPCRA Largest Container Annual Waste Amount No 10500	120
Chemical Location Confidential EPCRA Largest Container Annual Waste Amount No 10500 -	
No 10500 -	galions
The representation to the state of the state	
Aboveground Tank	
Storage Pressure Storage Temperature	
Ambient Ambient	
Mixture Components	
lazardous Component Name CAS Number % by Weight EHS Add	tional Mixture Components 😸
	(a)
Additional Chemical/Material Description	
dditional Chemical Description Information 3	
ated By: Michael Poppenheimer on 8/28/2013 3:04 PM st Updated By: Michael Poppenheimer on 8/28/2013 3:51 PM	
	Return to Submittal Invento
11 122 0 FEMBELLIAN S COSSISTINGS NOtifications	Return to Submittal Invento

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Submittals

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Regulators

Compliance

Responders

Reports

Hazardous Material Inventory: AllenCo Energy

Home » Submittal Search » Submittal, 9/11/2013 (10456009) » Materials Inventory: Hezardous Material Inventory (Not Accepted)

-Submittal Element History-

Submitted for CERS ID 10456009 on 9/11/2013 2:32PM by Michael Poppenheimer of AllenCo Energy (Signal Hill, CA)

Submittal was Not Accepted on 10/24/2013 by Marcus Look for Los Angeles City Fire Department
Comments by regulator: You must include all chemicals that are over CUPA disclosure amount. You have solvent over 1000 gal and several other unidentified chemicals on site, please include all chemicals in your inventory disclosure. Your map must include all required information see sample map at this link https://www.lafdcupainfo.org/eee/images/SampleFacilityMap.gif

Return to Submittal

Hazardous Materials Inventory (1)

Not Accepted Oct. 24, 2013

	Common Name	CAS	Location	Max Daily Amount
View	Crude O	8002-05-9	Tank Farm	3,570 gallons
HMIS I	latrix Report			Export To Excel
	1 15 Page 1 of	1	*******	Displaying items 1 - 1 of 1

Version 2 22 0147 | Enhancements | CERS Central

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California Environmental Reporting System: Business | © 2013 California Environmental Protection Agency CERS Technical Support: Request Technical Assistance

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Submittals

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Regulators Compliance Responders

Reports

Site Map (Official Use Only): AllenCo Energy

Home » Submittal Search » Submittal: 9/11/2013 (10456009) » Materials Inventory Site Map (Official Use Only) (Not Accepted)

Supplemental Documentation

Site Map (Official Use Only)

You are only required to provide supplemental documentation as specified by your local regulator(s)

Submittal Element History

Submitted for CERS ID 10456009 on 9/11/2013 2:32PM by Michael Poppenheimer of AllenCo Energy (Signal Hill, CA)

Submittal was Not Accepted on 10/24/2013 by Marcus Look for Los Angeles City Fire Department
Comments by regulator: You must include all chemicals that are over CUPA disclosure amount. You have solvent over 1000 gal and several other unidentified chemicals on site, please include all chemicals in your inventory disclosure. Your map must include all required information see sample map at this link https://www.lafdcupainfo.org/eee/images/SampleFacilityMap.gif

Return to Submittal

Unified Program Local Reporting Requirements for Los Angeles City Fire Department

Regulated facilities in this jurisdiction are required to report hazardous materials where quantities exceed the California Fire Code permit amounts as amended by LA City Fire. Refer to LAFD Std # 68 (http://lafd.org/prevention/pdfforms/88 hm. cat\_dis\_amnts.pdf) for a complete list of permit amounts. LAFD Fire Code Sec. 57.08.03

**Document Options Upload Document(s)** 

Public Internet URL Provided Elsewhere in CERS Provided to Regulator Stored at Facility Exempt

**Document Upload(s)** 

**Document Title** 

CERS Document Upload Policy Date Authored 9/11/2013

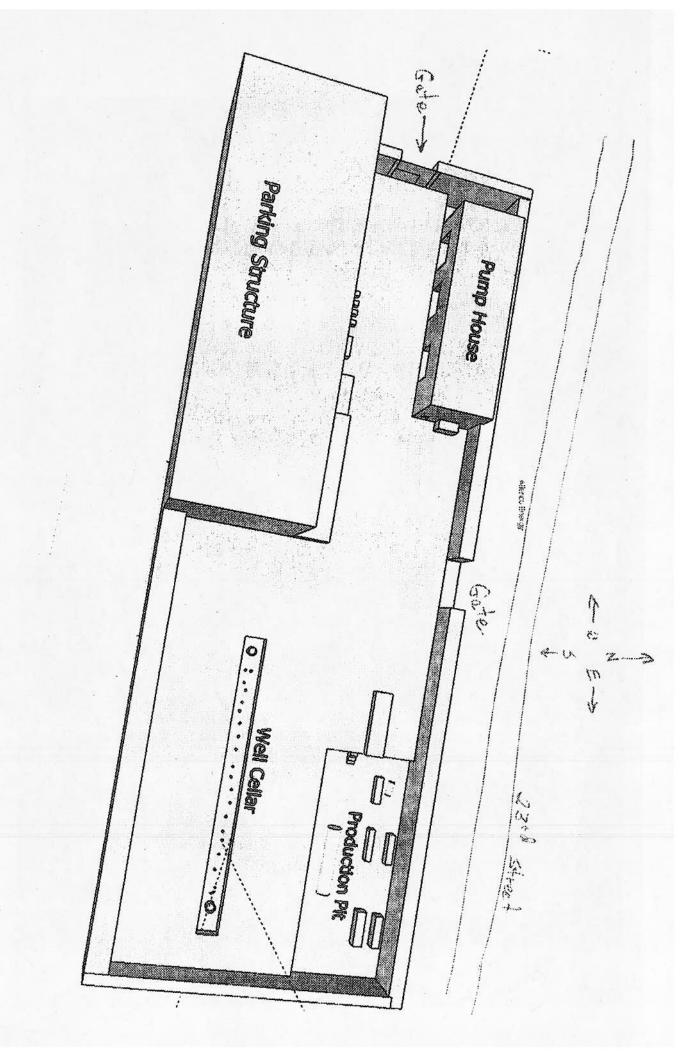
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Back

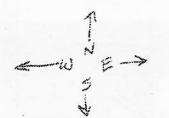
Version 2 22,0147 | Enhancements | CERS Contral

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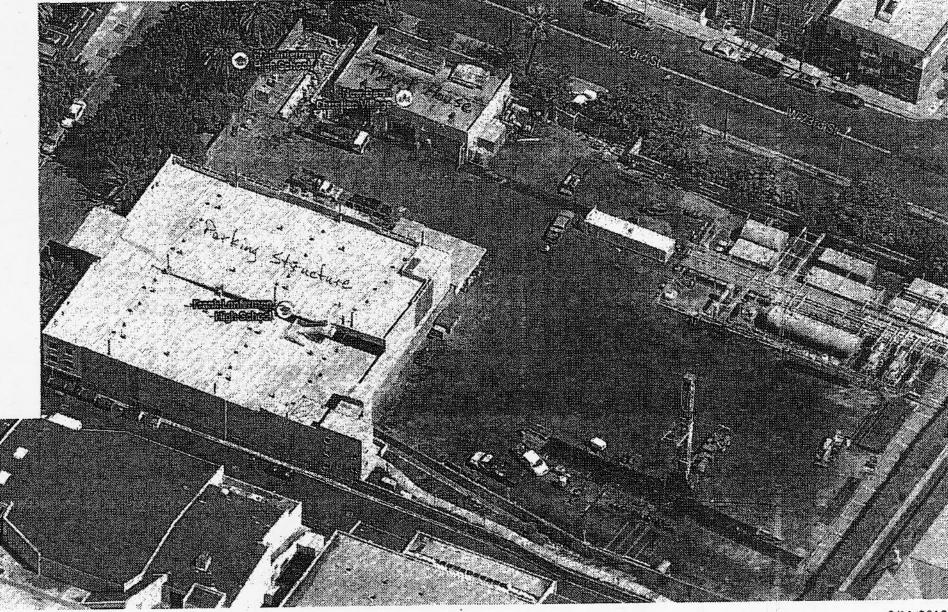
California Environmental Reporting System: Business | © 2013 California Environmental Protection Agency CERS Technical Support: <u>Request Technical Assistance</u>



## Google



To see all the details that are visible on the screen, use the "Print" link next to the map.





# Customer: AllenCo AB 1960 Certified Inspection 12/14/2012

Brine Water Tank #1
AllenCo Energy Lease
814 West 23rd Street, Los Angeles, CA 90007
MI121212

## **INDEX**

- 1.0 Executive Summary
- 2.0 Tank Summary
- 3.0 Inspection Personnel
- 4.0 Engineering Calculations
- 4.1 Shell Renewal Calculations
- 5.0 Shell Diagram
- **6.0 Pictures**
- 7.0 GPS Location Map

#### 1.0 EXECUTIVE SUMMARY

AllenCo has contracted Diversified Project Services International, Inc. to perform an In Service inspection on the tank located at 814 West 23rd, Los Angeles, CA 90007. This inspection was completed with the current criteria set forth in AB 1960 Title 14, Division 2, Chapter 4, Section 1773.4.

The primary goal of this inspection is to provide your company with an assessment of the equipment condition. The resultant report shall contain the required information to assess the general condition of the tank shell per AB 1960.

The Ultrasonic thickness readings and visual inspection methods were used to assess the shell plate condition. These methods were used externally and provided data relating to the present condition of the equipment.

The tank is a rectangular 1 course above ground storage tank that is currently in service. This tank is 8' H  $\times$  24' L  $\times$  8'W and equipped with a fixed roof. The following lists all findings and recommendations.

A total of 4 spot thickness readings were taken at the Thickness Monitoring Locations (TML) shown on the provided Shell Diagram (5.0). For all corrosion data based on the gathered thickness readings see Shell Renewal Calculations (4.0) The re-inspection date is based on AB 1960 Section 1773.4.a.

No visual external corrosion was noted on shell staves.

#### RECOMENDATIONS:

It is recommended if this tank is "Out Of Service" to be properly take this tank out of service as stated in AB1960 1773.5.(a).(4)

It is recommended to properly identify this tank with the operator's tank identification number as stated in AB1960 1773.3 (a).

Inspector Signature:

Brian Wilson API 653 Certification # 6051

Bundlet-

#### 2.0 TANK SUMMARY

#### General

Tank Number/ID:
Tank Owner:

Construction Design:

**Product:** 

Specific Gravity:
Manufacturer:
Manufacture Date:
Data Plate Present:

NFPA Placard:

**Dimensions** 

Diameter (ft.): Height (ft.): Length (ft.): Width (ft.):

Capacity (BBLS):

Design

Foundation:

Secondary Containment: Leak Detection Barrier: Cathodic Protection:

Ground Cable:
Bottom:
Shell:

Roof: Primary Seal: Secondary Seal:

Access

Internal Access:

Roof Access:

Coatings

Floor Internal: Shell Internal: Shell External: Roof: External: None AllenCo

API 12F (Shop welded - 90-750bbl)

**Out of Service** 

NA unknown unknown None Yes

Round

Square

8 24 8

273.55

Native Soil w/ Ringwall Concrete Containment

Yes
N/A
None
Butt Welded
Butt Welded
Butt Welded

None None

Manway

Vertical Ladder w/o Platform

Unknown Unknown

Epoxy Coated Epoxy Coated

### 3.0 INSPECTION PERSONNEL AND QUALIFICATIONS:

DPSI examination personnel are qualified and certified in accordance with DPSI's Quality Assurance Program, Procedure DPSI-WP-01. This procedure meets or exceeds the guidelines contained in the American Society for Nondestructive Testing's Recommended Practice, SNT-TC-1A.

Brian Wilson API 653 Inspector

Ron Allen Level II ASNT Technician

> Jesse Kindrat Technician Assistant

> Shane Manning Technician Assistant

#### 4.0 SHELL RENEWAL CALCULATIONS

T prev = previous thickness measurement of shell course under consideration, as recorded at last inspection or nominal thickness if no previous thickness measurements, in inches.

T act = Minimum thickness measurement of the shell course under consideration, as recorded at the time of inspection, in inches.

T min = minimum required thickness of shell course, at the maximum allowable fill height, in inches.

Ca = Remaining corrosion allowance of the shell course under consideration, in inches.

Cr = Corrosion rate of the shell course under consideration, in inches per year.

RL = Estimated remaining life of the shell course under consideration, in years.

FHc = Calculated Fill Height = SEtact/2.6DG+1 (SEtact/4.6DG+.3) plus the total product height below the course of study, in feet.

Yt = Time span between thickness readings or age of the tank if nominal thickness is used for tprev, in years.

Ca = T act - T min = Remaining Corrosion Allowance (inches)

Cr = T prev - T act / Yt = Corrosion Rate (inches per year)

T act

0.139

RL = Ca / Cr = Remaining Life (years)

-		
Date	Inspe	ctea

Yt = Tank age (years)

E = Efficiency

Course

Course 1

D = Tank Diamter

Y = Min. Yield Strength

T = Min. Tensile Strength

G = Product Gravity

12/1	4/2012
	20

20 (Estimated)

30000 55000

0.060

\*\* 30000 lb./in² if unknown \*\* 55000 lb./in² if unknown

Tmin	Ca	Cr	RL

0.079

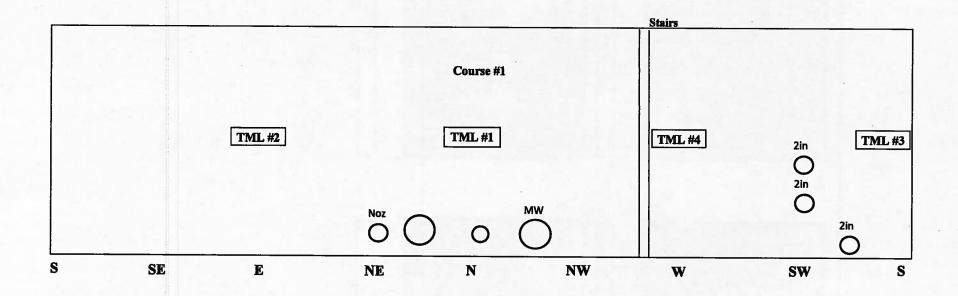
\*\*\* Next Inspection Due Date:

T prev

0.250

December 14, 2017

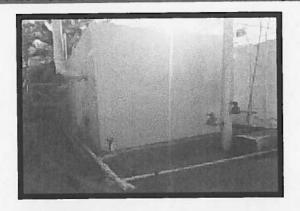
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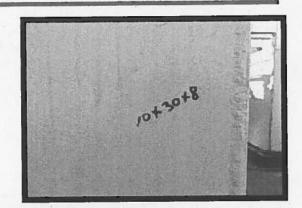


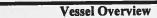
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TML #2	0.253
TML#3	0.247
TML #4	0.139

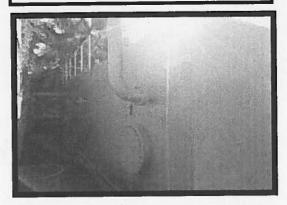
Min	0.139
Average	0.224
Max	0.257

# 6.0 PICTURES

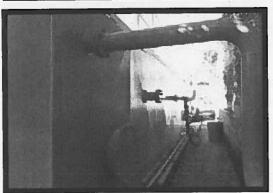












Tank Wall

Tank Wall

## 7.0 GPS Location Map

Address: 814 West 23rd. Los Angeles, CA 90007

**GPS:** Latitude 34.072526 Longitude -118.27804



# AllenCo AB 1960 Certified Inspection 12/13/2012

Crude Oil Tank #4
AllenCo Energy Lease
814 West 23rd. Los Angeles, CA 90007
MI121212

## **INDEX**

- 1.0 Executive Summary
- 2.0 Tank Summary
- 3.0 Inspection Personnel
- 4.0 Engineering Calculations
  - 4.1 Shell Renewal Calculations
  - **4.2 Shell Corrosion Rate**
  - **4.3 Next Inspection Date**
- 5.0 Shell Diagram
- **6.0 Pictures**
- 7.0 GPS Location Map

#### 1.0 EXECUTIVE SUMMARY

AllenCo has contracted Diversified Project Services International, Inc. to perform an In Service inspection on the lease located at 814 W. 23rd. St. Los Angeles, CA 90007. This inspection was completed with the current criteria set forth in AB 1960 Title 14, Division 2, Chapter 4, Section 1773.4.

The primary goal of this inspection is to provide your company with an assessment of the equipment condition. The resultant report shall contain the required information to assess the general condition of the tank shell per AB 1960.

The Ultrasonic thickness readings and visual inspection methods were used to assess the shell plate condition. These methods were used externally and provided data relating to the present condition of the equipment.

The tank is a rectangular, 1 course above ground storage tank that is currently in service. This tank is  $8'H \times 35'L \times 10'W$  and equipped with a welded metal roof. The following lists all findings and recommendations.

A total of 4 spot thickness readings were taken at the Thickness Monitoring Locations (TML) shown on the provided Shell Diagram (5.0). For all corrosion data based on the gathered thickness readings see Shell Renewal Calculations (4.0). The re-inspection date is based on AB 1960 Section 1773.4.a.

No visual external corrosion was noted on shell staves.

#### **RECOMENDATIONS:**

It is recommended to properly identify this tank with the operator's tank identification number as stated in AB1960 1773.3 (a).

Inspector Signature:

Brian Wilson API 653 Certification # 6051

#### 2.0 TANK SUMMARY

#### General

Tank Number:

Tank Owner:

**Construction Design:** 

**Product:** 

Specific Gravity:

Manufacturer: Manufacture Date:

Data Plate Present:

Data Plate Presen

NFPA Placard:

**Dimensions** 

Diameter (ft.):

Height (ft.): Length (ft.):

Width (ft.):

Capacity (BBLS):

Round

None

Oil

0.79

None

Yes

AllenCo

Unknown

Unknown

Square

API 12F (Shop welded - 90-750bbl)

8

35

10

498.67

Design

Foundation:

**Secondary Containment:** 

Leak Detection Barrier:

**Cathodic Protection:** 

**Ground Cable:** 

Bottom:

Shell:

Roof:

**Primary Seal:** 

Secondary Seal:

Access

Internal Access:

**Roof Access:** 

Butt Welded

Native Soil w/ Ringwall

**Concrete Containment** 

None

Yes

None

None

**Butt Welded** 

**Butt Welded** 

None

Manway

Vertical Ladder w/o Platform

**Coatings** 

Floor Internal:

Shell Internal:

Shell External:

Roof: External:

Unknown

Unknown

**Epoxy Coated** 

**Epoxy Coated** 

## 3.0 INSPECTION PERSONNEL AND QUALIFICATIONS:

DPSI examination personnel are qualified and certified in accordance with DPSI's Quality Assurance Program, Procedure DPSI-WP-01. This procedure meets or exceeds the guidelines contained in the American Society for Nondestructive Testing's Recommended Practice, SNT-TC-1A.

Brian Wilson API 653 Inspector

Ron Allen Level II ASNT Technician

> Jesse Kindrat Technician Assistant

> Shane Manning Technician Assistant

T prev = previous thickness measurement of shell course under consideration, as recorded at last inspection or nominal thickness if no previous thickness measurements, in inches.

T act = Minimum thickness measurement of the shell course under consideration, as recorded at the time of inspection, in inches.

T min = minimum required thickness of shell course, at the maximum allowable fill height, in inches.

Ca = Remaining corrosion allowance of the shell course under consideration, in inches.

Cr = Corrosion rate of the shell course under consideration, in inches per year.

RL = Estimated remaining life of the shell course under consideration, in years.

FHc = Calculated Fill Height = SEtact/2.6DG+1 (SEtact/4.6DG+.3) plus the total product height below the course of study, in feet.

Yt = Time span between thickness readings or age of the tank if nominal thickness is used for tprev, in years.

Ca = T act - T min = Remaining Corrosion Allowance (inches)

Cr = T prev - T act / Yt = Corrosion Rate (inches per year)

RL = Ca / Cr = Remaining Life (years)

Date Inspected	12/14/2012	
Yt = Tank age (years)	20	(Estimated)
E = Efficiency	1	
D = Tank Diamter		*

0.236

Y = Min. Yield Strength 30000 \*\* 30000 lbf/in2 if unknown T = Min. Tensile Strength 55000 \*\* 55000 lbf/in2 if unknown G = Product Garvity 0.79

Course T prev T act T min Ca Cr RL 0.060

0.176

\*\*\* Next Inspection Due Date:

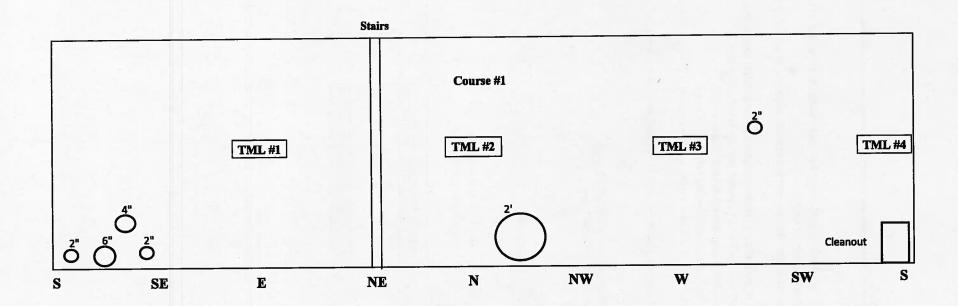
0.250

Course 1

December 14, 2017

0.001

251.4

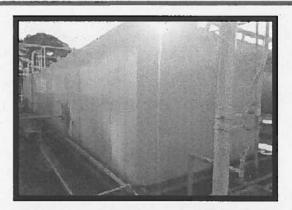


Course	#1	

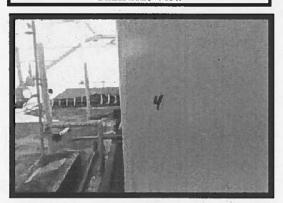
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TML #4	0.241
TML #7	0.237
TML #10	0.240

Min	0.236
Average	0.239
Max	0.241

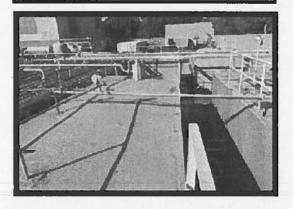
## 6.0 PICTURES



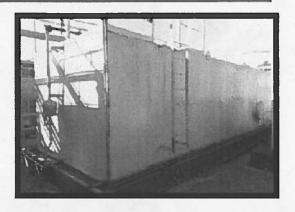
Tank Side View



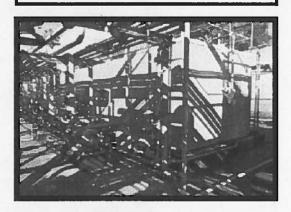
Tank



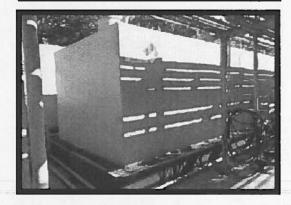
Roof View



Tank Corner



Tank



NFPA Placard

## 7.0 GPS Location Map

Address: 814 West 23rd. Los Angeles, CA 90007

**GPS:** Latitude 34.072526 Longitude -118.278038





# AllenCo AB 1960 Certified Inspection 12/14/2012

Crude Oil Tank #5
AllenCo Energy Lease
814 West 23rd. Los Angeles, CA 90007
MI121212

## INDEX

- 1.0 Executive Summary
- 2.0 Tank Summary
- 3.0 Inspection Personnel
- 4.0 Engineering Calculations
  - 4.1 Shell Renewal Calculations
  - **4.2 Shell Corrosion Rate**
  - **4.3 Next Inspection Date**
- 5.0 Shell Diagram
- **6.0 Pictures**
- 7.0 GPS Location Map

#### 1.0 EXECUTIVE SUMMARY

AllenCo has contracted Diversified Project Services International, Inc. to perform an In Service inspection on the AllenCo Energy Lease located at 814 W. 23rd. St. Los Angeles, 90007. This inspection was completed with the current criteria set forth in AB 1960 Title 14, Division 2, Chapter 4, Section 1773.4.

The primary goal of this inspection is to provide your company with an assessment of the equipment condition. The resultant report shall contain the required information to assess the general condition of the tank shell per AB 1960.

The Ultrasonic thickness readings and visual inspection methods were used to assess the shell plate condition. These methods were used externally and provided data relating to the present condition of the equipment.

The tank is a rectangular, 1 course above ground storage tank that is currently in service. This tank is  $8'H \times 10'L \times 10'W$  with a fixed welded roof. The following lists all findings and recommendations.

A total of 4 spot thickness readings were taken at the Thickness Monitoring Locations (TML) shown on the provided Shell Diagram (5.0). For all corrosion data based on the gathered thickness readings see Shell Renewal Calculations (4.0). The re-inspection date is based on AB 1960 Section 1773.4.a.

No visual external corrosion was noted.

#### RECOMENDATIONS:

It is recommended to properly identify this tank with the operator's tank identification number as stated in AB1960 1773.3 (a).

Inspector Signature:

Brian Wilson API 653 Certification # 6051

#### 2.0 TANK SUMMARY

#### General

Tank Number:

Tank Owner:

Construction Design:

**Product:** 

Specific Gravity:

Manufacturer: . Manufacture Date:

**Data Plate Present:** 

NFPA Placard:

#### **Dimensions**

Diameter (ft.):

Height (ft.):

Length (ft.):

Width (ft.):

Capacity (BBLS):

#### Design

Foundation:

**Secondary Containment:** 

Leak Detection Barrier:

**Cathodic Protection:** 

**Ground Cable:** 

**Bottom:** 

Shell:

Roof:

**Primary Seal:** 

Secondary Seal:

#### Access

**Internal Access:** 

**Roof Access:** 

Floor Internal:

Shell Internal:

Shell External:

Roof: External:

None

AllenCo

API 12F (Shop welded - 90-750bbl)

**Crude Oil** 

0.79

Unknown

Unknown

No

Yes

#### Round Square

8

10

10

142,48

Native Soil w/ Ringwall **Concrete Containment** 

Yes

0

None

None

**Butt Welded** 

**Butt Welded** 

**Butt Welded** 

None

None

Manway

Vertical Ladder w/o Platform

Coatings

Unknown

Unknown

**Epoxy Coated** 

**Epoxy Coated** 

## 3.0 INSPECTION PERSONNEL AND QUALIFICATIONS:

DPSI examination personnel are qualified and certified in accordance with DPSI's Quality Assurance Program, Procedure DPSI-WP-01. This procedure meets or exceeds the guidelines contained in the American Society for Nondestructive Testing's Recommended Practice, SNT-TC-1A.

Brian Wilson API 653 Inspector

Ron Allen Level II ASNT Technician

> Jesse Kindrat Technician Assistant

Shane Manning
Technician Assistant

#### 4.0 SHELL RENEWAL CALCULATIONS

T prev = previous thickness measurement of shell course under consideration, as recorded at last inspection or nominal thickness if no previous thickness measurements, in inches.

T act = Minimum thickness measurement of the shell course under consideration, as recorded at the time of inspection, in inches.

T min = minimum required thickness of shell course, at the maximum allowable fill height, in inches.

Ca = Remaining corrosion allowance of the shell course under consideration, in inches.

Cr = Corrosion rate of the shell course under consideration, in inches per year.

RL = Estimated remaining life of the shell course under consideration, in years.

FHc = Calculated Fill Height = SEtact/2.6DG+1 (SEtact/4.6DG+.3) plus the total product height below the course of study, in feet.

Yt = Time span between thickness readings or age of the tank if nominal thickness is used for tprev, in years.

Ca = T act - T min = Remaining Corrosion Allowance (inches)

Cr = T prev - T act / Yt = Corrosion Rate (inches per year)

RL = Ca / Cr = Remaining Life (years)

Da	te ]	[ns	pe	cted	l
874					

Yt = Tank age (years)

E = Efficiency

D = Tank Diamter

Y = Min. Yield Strength

T = Min. Tensile Strength

G = Product Garvity

12/1	4/2012
	20

(Estimated) 20 1

30000 55000

\*\* 30000 lbf/in2 if unknown

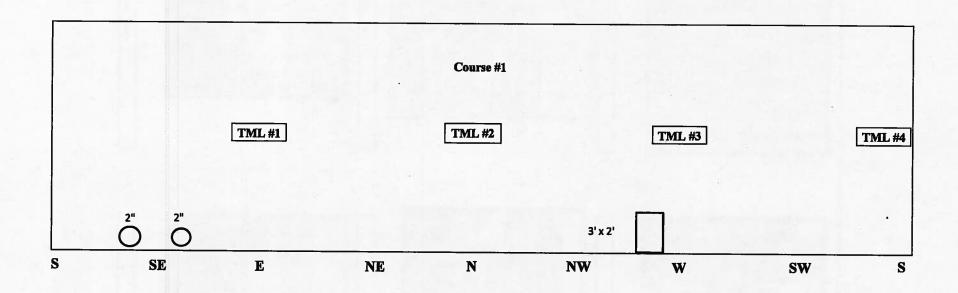
\*\* 55000 lbf/in2 if unknown

Course	T prev	Tact	T min	Ca	Cr	RL
Course 1	0.250	0.228	0.060	0.168	0.001	152.7

0.79

\*\*\* Next Inspection Due Date:

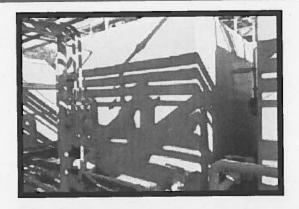
December 14, 2017



Course #1					
TML #1	0.243				
TML #2	0.235				
TML #3	0.330				
TML #4	0.228				

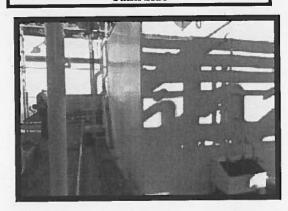
Min	0.228
Average	0.259
Max	0.330

## 6.0 PICTURES



5

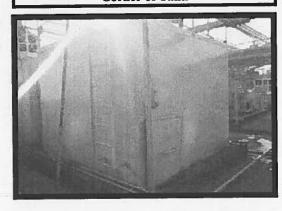




Close-up of Tank



Corner of Tank



Tank Corner



Tank Corner

Tank Corner

## 7.0 GPS Location Map

Address: 814 West 23rd. Los Angeles, CA 90007

GPS: Latitude 3

34.072526

Longitude -118.278038





# AllenCo AB 1960 Certified Inspection 12/14/2012

Crude Oil Tank #6
AllenCo Energy Lease
814 West 23rd. Los Angeles, CA 90007
MI121212

## **INDEX**

- 1.0 Executive Summary
- 2.0 Tank Summary
- 3.0 Inspection Personnel
- 4.0 Engineering Calculations
  - 4.1 Shell Renewal Calculations
  - **4.2 Shell Corrosion Rate**
  - 4.3 Next Inspection Date
- 5.0 Shell Diagram
- **6.0 Pictures**
- 7.0 GPS Location Map

#### 1.0 EXECUTIVE SUMMARY

AllenCo has contracted Diversified Project Services International, Inc. to perform an In Service inspection on the located at 814 W. 23rd. St. Los Angeles, CA 90007. This inspection was completed with the current criteria set forth in AB 1960 Title 14, Division 2, Chapter 4, Section 1773.4.

The primary goal of this inspection is to provide your company with an assessment of the equipment condition. The resultant report shall contain the required information to assess the general condition of the tank shell per AB 1960.

The Ultrasonic thickness readings and visual inspection methods were used to assess the shell plate condition. These methods were used externally and provided data relating to the present condition of the equipment.

The tank is a rectangular, 1 course above ground storage tank that is currently in service. This tank is 8'H x 20'L x 10'W and equipped with a welded fixed roof. The following lists all findings and recommendations.

A total of 4 spot thickness readings were taken at the Thickness Monitoring Locations (TML) shown on the provided Shell Diagram (5.0). For all corrosion data based on the gathered thickness readings see Shell Renewal Calculations (4.0). The re-inspection date is based on AB 1960 Section 1773.4.a.

No visual external corrosion was noted.

#### **RECOMENDATIONS:**

It is recommended to properly identify this tank with the operator's tank identification number as stated in AB1960 1773.3 (a).

Inspector Signature:

Brian Wilson API 653 Certification # 6051

#### 2.0 TANK SUMMARY

#### General

Tank Number: Tank Owner:

Construction Design:

Product:

Specific Gravity:

Manufacturer: **Manufacture Date: Data Plate Present:** 

NFPA Placard:

Dimensions

Diameter (ft.):

Height (ft.): Length (ft.):

Width (ft.):

Capacity (BBLS):

Design

Foundation:

**Secondary Containment:** 

Leak Detection Barrier: **Cathodic Protection:** 

**Ground Cable: Bottom:** 

Shell:

Roof:

**Primary Seal:** 

Secondary Seal:

Access

Internal Access:

**Roof Access:** 

**Coatings** 

Floor Internal:

Shell Internal:

Shell External:

Roof: External:

None

AllenCo

API 12F (Shop welded - 90-750bbl)

**Crude Oil** 

0.79

Unknown Unknown

None

Yes

Round

**Square** 

8

20

10

284.95

Native Soil w/ Ringwall **Concrete Containment** 

Yes

None

None

**Butt Welded** 

**Butt Welded** 

**Butt Welded** None

None

Manway

Vertical Ladder w/o Platform

Unknown

Unknown

**Epoxy Coated** 

**Epoxy Coated** 

## 3.0 INSPECTION PERSONNEL AND QUALIFICATIONS:

DPSI examination personnel are qualified and certified in accordance with DPSI's Quality Assurance Program, Procedure DPSI-WP-01. This procedure meets or exceeds the guidelines contained in the American Society for Nondestructive Testing's Recommended Practice, SNT-TC-1A.

Brian Wilson API 653 Inspector

Ron Allen Level II ASNT Technician

> Jesse Kindrat Technician Assistant

> Shane Manning Technician Assistant

### 4.0 SHELL RENEWAL CALCULATIONS

T prev = previous thickness measurement of shell course under consideration, as recorded at last inspection or nominal thickness if no previous thickness measurements, in inches.

T act = Minimum thickness measurement of the shell course under consideration, as recorded at the time of inspection, in inches.

T min = minimum required thickness of shell course, at the maximum allowable fill height, in inches.

Ca = Remaining corrosion allowance of the shell course under consideration, in inches.

Cr = Corrosion rate of the shell course under consideration, in inches per year.

RL = Estimated remaining life of the shell course under consideration, in years.

FHc = Calculated Fill Height = SEtact/2.6DG+1 (SEtact/4.6DG+.3) plus the total product height below the course of study, in feet.

Yt = Time span between thickness readings or age of the tank if nominal thickness is used for tprev, in years.

Ca = T act - T min = Remaining Corrosion Allowance (inches)

Cr = T prev - T act / Yt = Corrosion Rate (inches per year)

RL = Ca / Cr = Remaining Life (years)

Date	Ins	pe	cte	ď
W 74	-			

Yt = Tank age (years)

E = Efficiency

D = Tank Diamter

Y = Min. Yield Strength

T = Min. Tensile Strength

G = Product Garvity

		-
13	11 A 19	012
14	/14/2	ULZ

20 1

(Estimated)

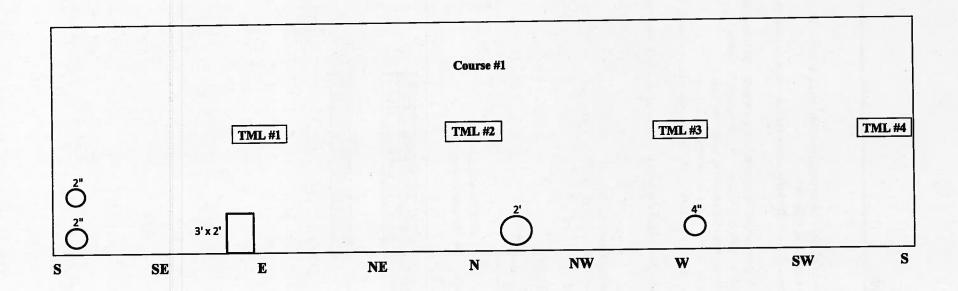
30000 55000 0.79

\*\* 30000 lbf/in2 if unknown \*\* 55000 lbf/in2 if unknown

Course	T prev	Tact	T min	Ca	Cr	RL
Course 1	0.281	0.252	0.060	0.192	0.001	132.4

\*\*\* Next Inspection Due Date:

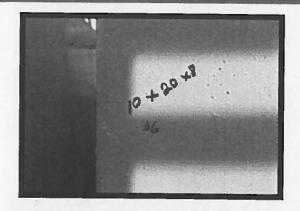
December 14, 2017



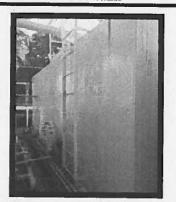
Course #1				
TML #1	0.262			
TML #2	0.275			
TML #3	0.268			
TML #4	0.252			

Min	0.252
Average	0.264
Max	0.275

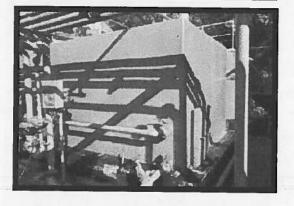
## 6.0 PICTURES



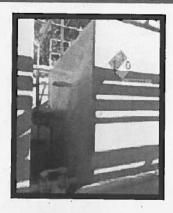
Side of Tank



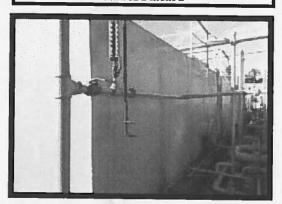
Tank Side



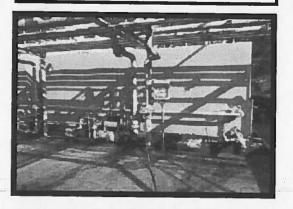
Tank Side



NFPA Placard



Tank Side



Tank Side

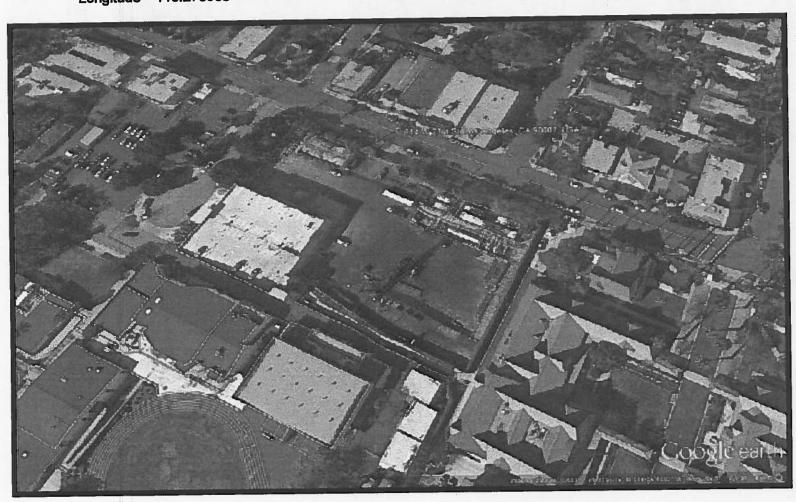
# 7.0 GPS Location Map

Address: 814 West 23rd. Los Angeles, CA 90007

GPS:

Latitude 34.072526

Longitude -118.278038





# AllenCo AB 1960 Certified Inspection 12/14/2012

Injection Water Tank #2
AllenCo Energy Lease
814 West 23rd. Los Angeles, CA 90007
MI121212

## **INDEX**

- 1.0 Executive Summary
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  - **4.2 Shell Corrosion Rate**
  - 4.3 Next Inspection Date
- 5.0 Shell Diagram
- **6.0 Pictures**
- 7.0 GPS Location Map

#### 1.0 EXECUTIVE SUMMARY

AllenCo has contracted Diversified Project Services International, Inc. to perform an In Service inspection on the lease located at 814 W. 23rd St. los Angeles, CA 90007. This inspection was completed with the current criteria set forth in AB 1960 Title 14, Division 2, Chapter 4, Section 1773.4.

The primary goal of this inspection is to provide your company with an assessment of the equipment condition. The resultant report shall contain the required information to assess the general condition of the tank shell per AB 1960.

The Ultrasonic thickness readings and visual inspection methods were used to assess the shell plate condition. These methods were used externally and provided data relating to the present condition of the equipment.

The tank is a rectangular, 1 course above ground storage tank that is currently in service. This tank is  $8'H \times 30'L \times 10'W$  equipped with a fixed welded roof. The following lists all findings and recommendations.

A total of 4 spot thickness readings were taken at the Thickness Monitoring Locations (TML) shown on the provided Shell Diagram (5.0). For all corrosion data based on the gathered thickness readings see Shell Renewal Calculations (4.0). The re-inspection date is based on AB 1960 Section 1773.4.a.

No visual external corrosion was noted on shell staves.

#### RECOMENDATIONS:

It is recommended to properly identify this tank with the operator's tank identification number as stated in AB1960 1773.3 (a).

Inspector Signature:

Brian Wilson API 653 Certification # 6051

Man Wille -

## 2.0 TANK SUMMARY

#### General

Tank Number:
Tank Owner:

**Construction Design:** 

**Product:** 

Specific Gravity: Manufacturer:

Manufacture Date:
Data Plate Present:

NFPA Placard:

## **Dimensions**

Diameter (ft.):
Height (ft.):
Length (ft.):
Width (ft.):

Capacity (BBLS):

## Design

Foundation:

Secondary Containment: Leak Detection Barrier: Cathodic Protection:

Ground Cable:
Bottom:

Shell: Roof:

Primary Seal: Secondary Seal:

Access

Internal Access:

Roof Access:

**Coatings** 

Floor Internal: Shell Internal: Shell External: Roof: External: None

AllenCo

API 12F (Shop welded - 90-750bbl)

Injection Water

1.0

Unknown Unknown None

Yes

Round Square

8 30

30 10

427.43

Native Soil w/o Ringwall Concrete Containment

Yes None None

0

Butt Welded Butt Welded Butt Welded

None None

Manway

Vertical Ladder w/o Platform

Unknown

Unknown Epoxy Coated

**Epoxy Coated** 

## 3.0 INSPECTION PERSONNEL AND QUALIFICATIONS:

DPSI examination personnel are qualified and certified in accordance with DPSI's Quality Assurance Program, Procedure DPSI-WP-01. This procedure meets or exceeds the guidelines contained in the American Society for Nondestructive Testing's Recommended Practice, SNT-TC-1A.

Brian Wilson API 653 Inspector

Ron Allen Level II ASNT Technician

> Jesse Kindrat Technician Assistant

> Shane Manning Technician Assistant

T prev = previous thickness measurement of shell course under consideration, as recorded at last inspection or nominal thickness if no previous thickness measurements, in inches.

T act = Minimum thickness measurement of the shell course under consideration, as recorded at the time of inspection, in inches.

T min = minimum required thickness of shell course, at the maximum allowable fill height, in inches.

Ca = Remaining corrosion allowance of the shell course under consideration, in inches.

Cr = Corrosion rate of the shell course under consideration, in inches per year.

RL = Estimated remaining life of the shell course under consideration, in years.

FHc = Calculated Fill Height = SEtact/2.6DG+1 (SEtact/4.6DG+.3) plus the total product height below the course of study, in feet.

Yt = Time span between thickness readings or age of the tank if nominal thickness is used for tprev, in years.

Ca = T act - T min = Remaining Corrosion Allowance (inches)

Cr = T prev - T act / Yt = Corrosion Rate (inches per year)

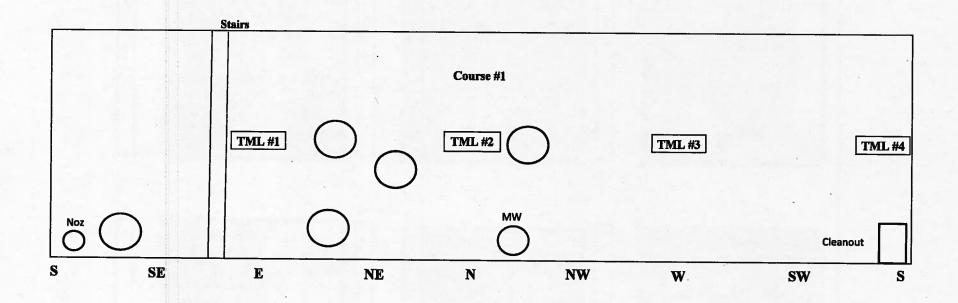
RL = Ca / Cr = Remaining Life (years)

Date Inspected	12/14/2012	
Yt = Tank age (years)	20	(Estimated)
E = Efficiency		
D = Tank Diamter		
Y = Min. Yield Strength	30000	** 30000 lbf/in² if unknown
T = Min. Tensile Strength	55000	** 55000 lbf/in2 if unknown
G = Product Garvity	Sass Inst	

Course	T prev	Tact	T min	Ca	Cr	RL
Course 1	0.281	0.257	0.060	0.197	0.001	164.2

\*\*\* Next Inspection Due Date:

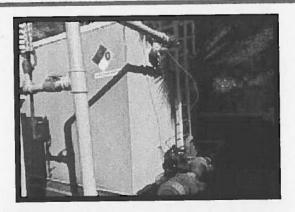
December 14, 2017



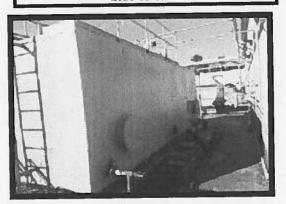
Cours	ie #1
TML#1	0.272
TML #4	0.263
TML #7	0.257
TML #10	0.260

Min	0.257
Average	0.263
Max	0.272

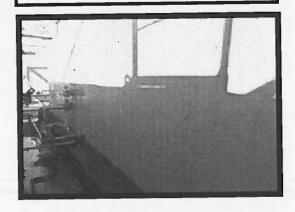
# 6.0 PICTURES



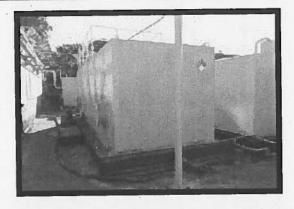




Tank corner



Wall picture



Tank



**Epoxy coating** 



Tank Top Picture

# 7.0 GPS Location Map

Address: 814 West 23rd. Los Angeles, CA 90007

**GPS:** Latitude 34.072526

Longitude -118.278038



Customer: AllenCo
AB 1960 Certified Inspection
12/13/2012

Injection Water Tank #3
AllenCo Energy Lease
814 West 23rd. Los Angeles, CA 90007
MI121212

## **INDEX**

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  - **4.2 Shell Corrosion Rate**
  - **4.3 Next Inspection Date**
- 5.0 Shell Diagram
- **6.0 Pictures**
- 7.0 GPS Location Map

### 1.0 EXECUTIVE SUMMARY

AllenCo has contracted Diversified Project Services International, Inc. to perform an In Service inspection on the Lease located at 814 W. 23rd. St. Los Angeles, CA 90007. This inspection was completed with the current criteria set forth in AB 1960 Title 14, Division 2, Chapter 4, Section 1773.4.

The primary goal of this inspection is to provide your company with an assessment of the equipment condition. The resultant report shall contain the required information to assess the general condition of the tank shell per AB 1960.

The Ultrasonic inickness readings and visual inspection methods were used to assess the sitent plate condition. These methods were used externally and provided data relating to the present condition of the equipment.

The tank is arectangular, 1 course above ground storage tank that is currently in service. This tank is 8'H x 20'L x 10'W and equipped with a welded fixed roof. The following lists all findings and recommendations.

A total of 4 spot thickness readings were taken at the Thickness Monitoring Locations (TML) shown on the provided Shell Diagram (5.0). For all corrosion data based on the gathered thickness readings see Shell Renewal Calculations (4.0). The re-inspection date is based on AB 1960 Section 1773.4.a.

No visual external corrosion was noted on shell staves.

#### **RECOMENDATIONS:**

It is recommended to properly identify this tank with the operator's tank identification number as stated in AB1960 1773.3 (a).

Inspector Signature:

Brian Wilson API 653 Certification # 6051

Man Mich

## 2.0 TANK SUMMARY

#### General

Tank Number: Tank Owner:

AllenCo Construction Design:

API 12F (Shop welded - 90-750bbl) **Product: Injection Water** 

None

Specific Gravity:

Manufacturer: Unknown **Manufacture Date:** Unknown **Data Plate Present:** None NFPA Placard: Yes

**Dimensions** 

Round Square Diameter (ft.): Height (ft.): 8 Length (ft.): 20 Width (ft.): 10 Capacity (BBLS): 0 284.95

Design

Foundation: Native Soil w/ Ringwall **Secondary Containment: Concrete Containment** 

Leak Detection Barrier: Yes **Cathodic Protection:** None Ground Cable: None

**Bottom: Butt Welded** Shell: **Butt Welded** Roof: **Butt Welded Primary Seal:** None Secondary Seal:

Access

Internal Access: Manway

Roof Access: Vertical Ladder w/o Platform

None

Coatings

Floor Internal: Unknown Shell Internal: Unknown Shell External: **Epoxy Coated** Roof: External: **Epoxy Coated** 

## 3.0 INSPECTION PERSONNEL AND QUALIFICATIONS:

DPSI examination personnel are qualified and certified in accordance with DPSI's Quality Assurance Program, Procedure DPSI-WP-01. This procedure meets or exceeds the guidelines contained in the American Society for Nondestructive Testing's Recommended Practice, SNT-TC-1A.

Brian Wilson API 653 Inspector

Ron Allen Level II ASNT Technician

> Jesse Kindrat Technician Assistant

Shane Manning Technician Assistant T prev = previous thickness measurement of shell course under consideration, as recorded at last inspection or nominal thickness if no previous thickness measurements, in inches.

T act = Minimum thickness measurement of the shell course under consideration, as recorded at the time of inspection, in inches.

T min = minimum required thickness of shell course, at the maximum allowable fill height, in inches.

Ca = Remaining corrosion allowance of the shell course under consideration, in inches.

Cr = Corrosion rate of the shell course under consideration, in inches per year.

RL = Estimated remaining life of the shell course under consideration, in years.

FHc = Calculated Fill Height = SEtact/2.6DG+1 (SEtact/4.6DG+.3) plus the total product height below the course of study, in feet.

Yt = Time span between thickness readings or age of the tank if nominal thickness is used for tprev, in years.

Ca = T act - T min = Remaining Corrosion Allowance (inches)

Cr = T prev - T act / Yt = Corrosion Rate (inches per year)

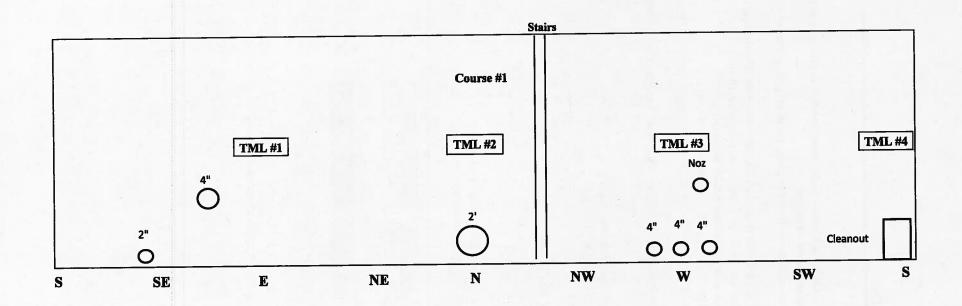
RL = Ca / Cr = Remaining Life (years)

Date Inspected	12/14/2012	
Yt = Tank age (years)	20	(Estimated)
E = Efficiency	1	
D = Tank Diamter	and the Alexander	
Y = Min. Yield Strength	30000	** 30000 lbf/in² if unknow:
T = Min. Tensile Strength	55000	** 55000 lbf/in² if unknow
G = Product Carvity		

Course	T prev	T act	T min	Ca	Cr	RL
Course 1	0.281	0.223	0.060	0.163	0.003	56.2

\*\*\* Next Inspection Due Date:

December 14, 2017



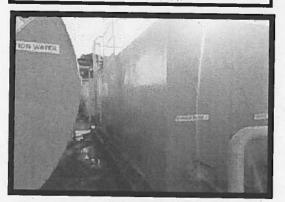
Cours	ie #1
TML#1	0.229
TML #4	0.223
TML #7	0.235
TML #10	0.231

Min	0.223
Average	0.230
Max	0.235

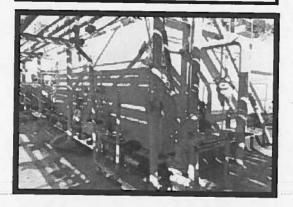
# 6.0 PICTURES



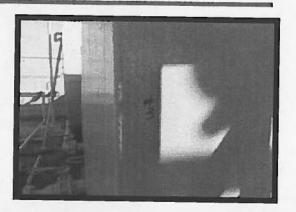
Tank Side View



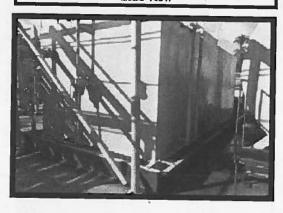
Side View



Side View



Side view



**Tank Side View** 

# 7.0 GPS Location Map

Address: 814 West 23rd. Los Angeles, CA 90007

GPS:

Latitude

34.072526

Longitude -118.278038

